

Abstract

A method and system for venting accumulations of leakage from a vehicle cryo fuel tank system, whereby elements of the tank system like lines, valves and/or a storage container for the fuel are enveloped at least partially by a capsule, the interior of the capsule is vented regularly as a function of at least one boundary condition by a pressure differential, and the exhausted gas from the capsule is treated to reduce its environmental impact. The venting may be performed using an inert gas as the rinsing medium. The gas can be burned or oxidized catalytically, and may be disposed of by a separate burner or by an internal combustion engine of the vehicle. A blower, arranged outside the capsule may generate the pressure differential. Alternatively, the pressure differential may be generated within the capsule by convective forces or a stagnation pressure generated by movement of the vehicle.